

### **Amendments to the Claims:**

This listing of claims will replace all prior version, and listings, of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) A housing for electronic control units, wherein the housing is situated in a motor vehicle, the housing comprising:  
a bottom section;  
~~for attaching the electronic control units~~ a circuit board affixed on the bottom  
section;  
a cover affixed on the bottom section; and  
a cooling device for enabling heat to be dissipated from the housing via a liquid flowing therethrough, wherein the cooling device is integrally formed in the bottom section, and wherein the bottom section is formed as a cooling plate that includes an integrated, one-piece cooling channel.
2. (Canceled).
3. (Canceled).
4. (Canceled).
5. (Currently Amended) The housing according to claim ~~[[4]]~~ 1, wherein sectional members for conducting heat and reinforcing the bottom section are situated on an outside of the cooling channel.
6. (Currently Amended) The housing according to claim ~~[[4]]~~ 1, wherein the cooling channel is a linear cooling channel which passes through the bottom section in a linear manner.
7. (Currently Amended) The housing according to claim ~~[[4]]~~ 1, wherein the cooling channel has a round cross-section.

8. (Currently Amended) The housing according to claim ~~[[4]]~~ 1, wherein an inlet of the cooling channel and an outlet of the cooling channel have threaded connectors leading into and out of the bottom section.
9. (Currently Amended) The housing according to claim ~~[[3]]~~ 1, wherein the cooling plate has separate cooling channels.
10. (Original) The housing according to claim 9, wherein the separate cooling channels are connected by at least one separate cross hole.
11. (Original) The housing according to claim 1, wherein the bottom section is manufactured by injection molding.
12. (Original) The housing according to claim 1, wherein the bottom section is manufactured by die-casting.